

from a rare earth-transition metal alloy powder and a thermosetting resin, comprising:

a magnet body comprising a mixture of the thermosetting resin and the rare earth-transition metal alloy powder with a particle size of between 20 and 300 microns;

a filling material with a particle size between 0.1 and 15 microns used to fill in depressions on a surface of said magnet such that the surface has a surface roughness of less than 3 microns, and fixed with said thermosetting resin; and

a corrosion inhibiting coat made from a synthetic resin applied to the surface of said magnet .

3. (ONCE AMENDED) A resin bonded rare earth magnet, comprising:

a magnet body;

a filling material to fill in depressions on the magnet body such that a surface of the magnet body has a surface roughness of less than 3 microns; and

a synthetic resin coat applied to an outer surface of said magnet body.

Please **ADD** new claim 6 as follows:

6. (NEW) The resin bonded rare earth magnet according to claim 3, wherein a surface of the synthetic resin coat has a surface roughness of less than 3 microns.